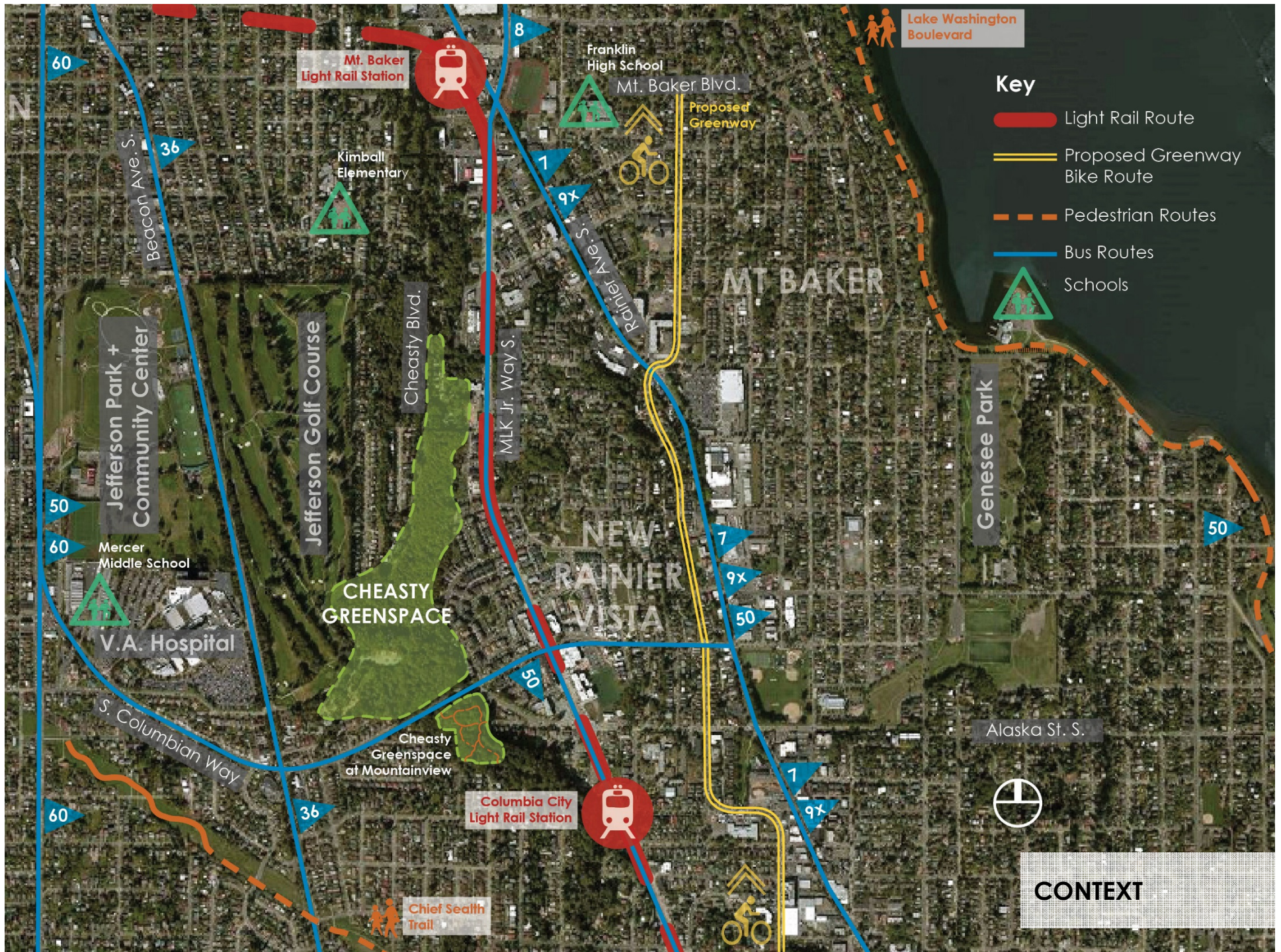
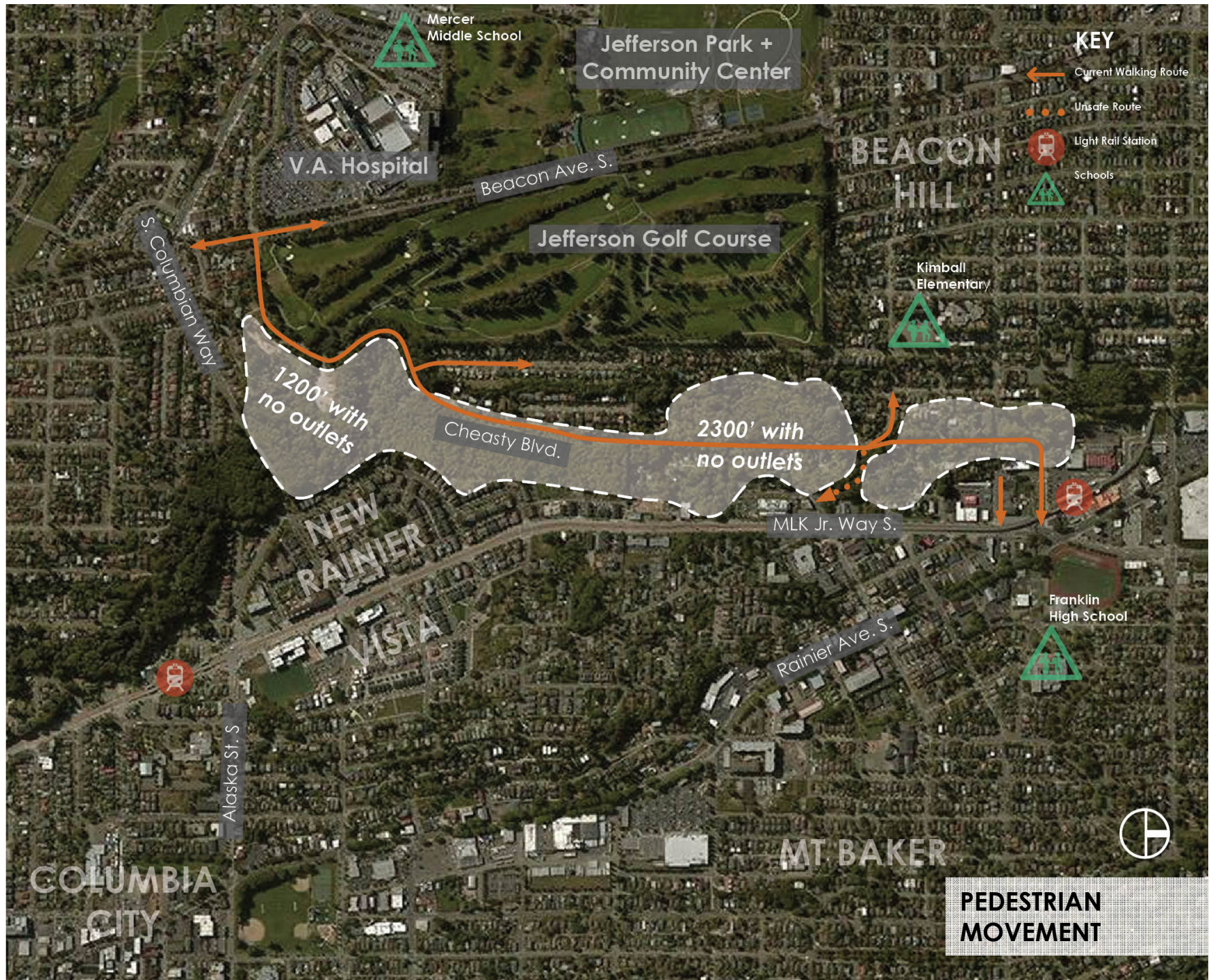


Cheasty Greenspace
CHEASTY TRAILS PILOT PROJECT
Schematic Design

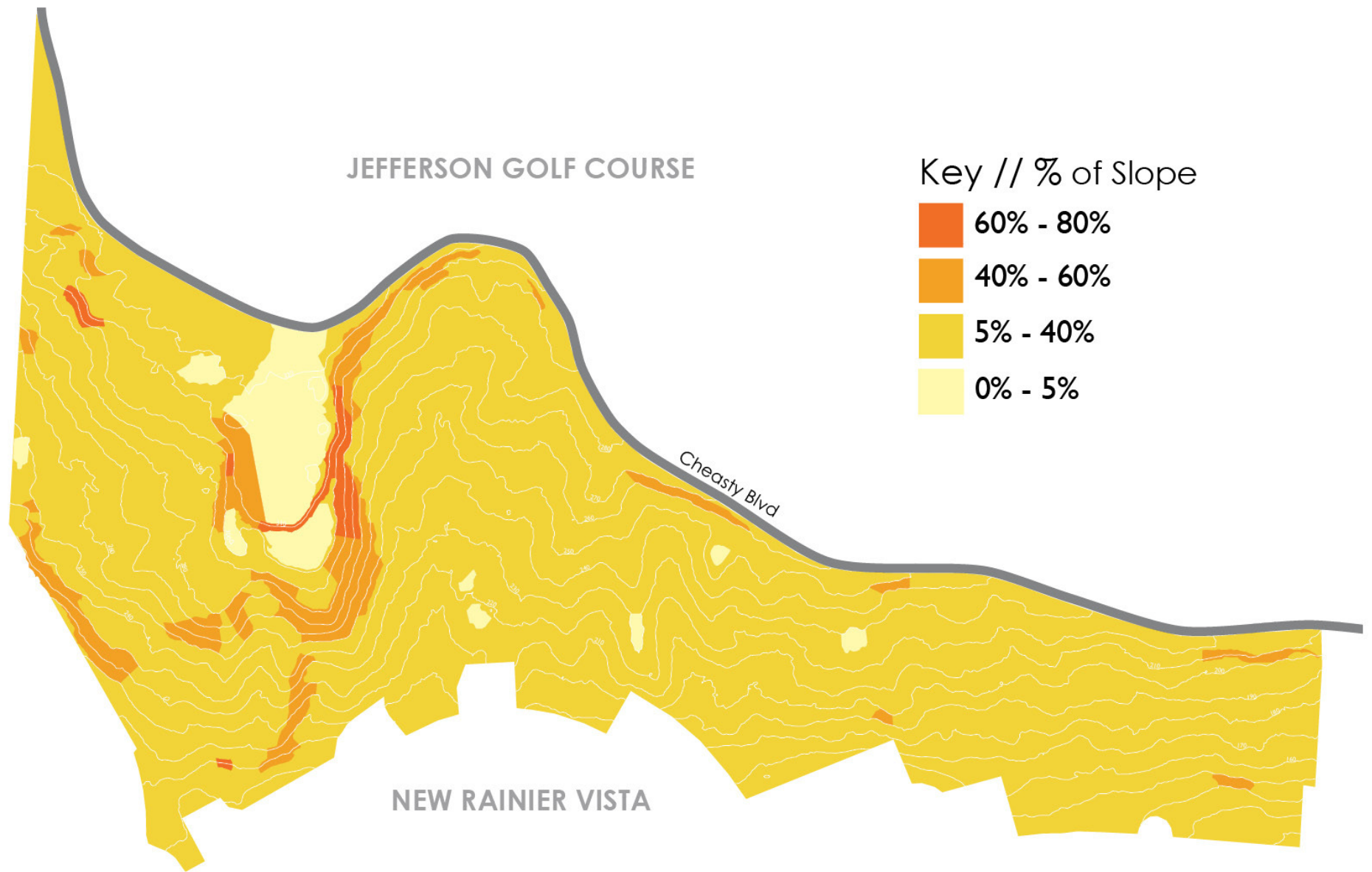
2 March 2015

Cheasty Greenspace at Mountainview
City of Seattle Parks + Recreation









280' 140' 0' 280'

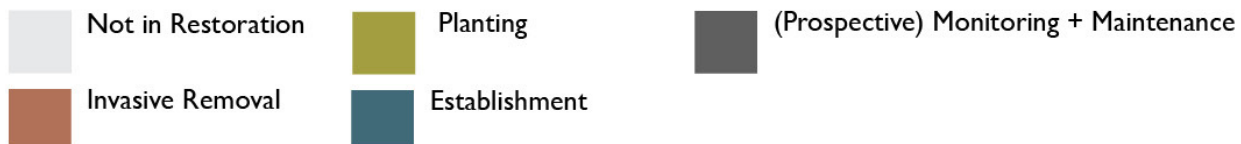
Scale (8.5x11): 1" = 280'



SLOPE



Key //



REVEGETATION PROJECTS
[from Green Seattle Partnership]



CHEASTY BOULEVARD



PARKS MAINTENANCE STORAGE YARD



UPHILL NEIGHBORS // 25TH AVE S



DOWNHILL NEIGHBORS // NEW RAINIER VISTA



EXISTING CONDITIONS // RESTORED AREA



EXISTING CONDITIONS



RESTORATION OF 'DIGGER' ENCAMPMENT



RESTORATION IN PROCESS

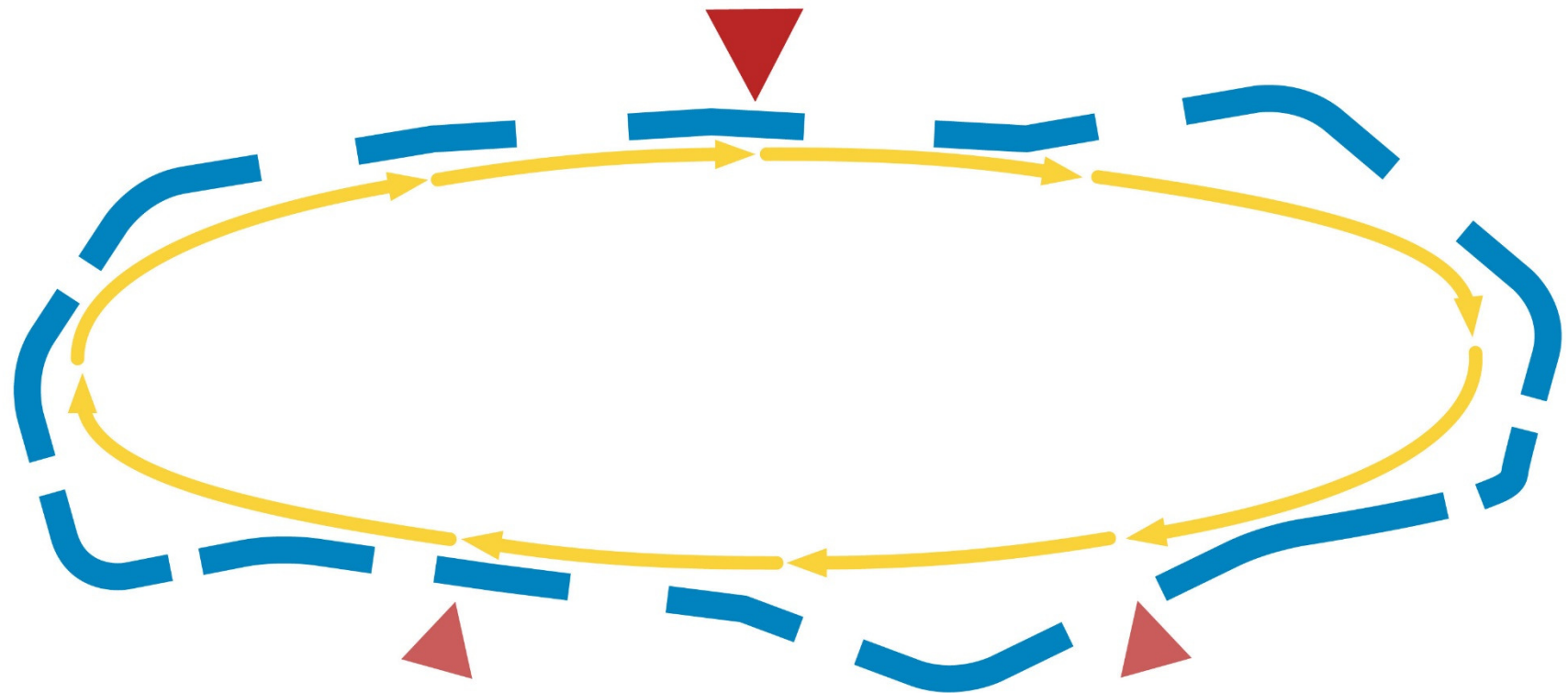


PROJECT GOAL // Restoration + opportunities for all to enjoy





PROJECT GOAL //
Pilot project to test suitability of mountain bike trails in Seattle's green spaces



- Key**
- Primary Trail
 - Bike Trails
 - Primary Point of Entry
 - Secondary Points of Entry

COMPREHENSIVE TRAIL CONCEPT



4' Wide, Crushed Rock

Pedestrian Track //
Seattle Parks Standard



1'-3' Wide, on Native Mineral Soil

Bike Track //
IMBA Standard for Forest
Mountain Bike Trails

- + 1-3' wide
- + Curvey; banked
- + On mineral soil [similar to USFS trail standards]



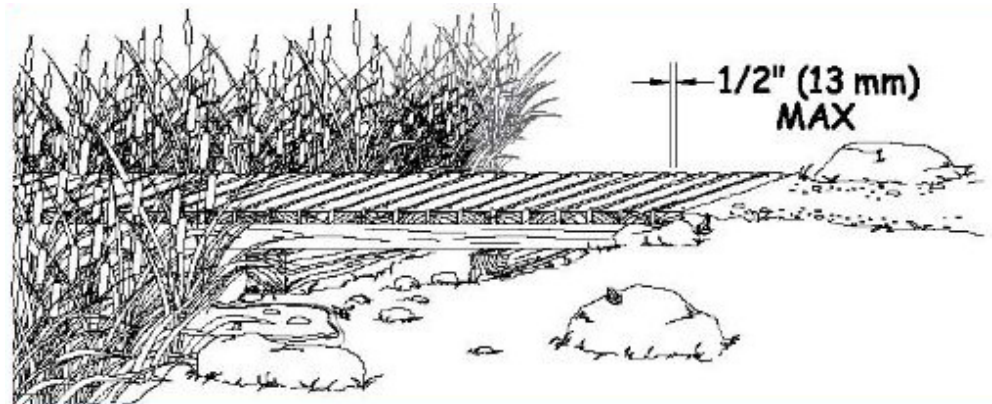
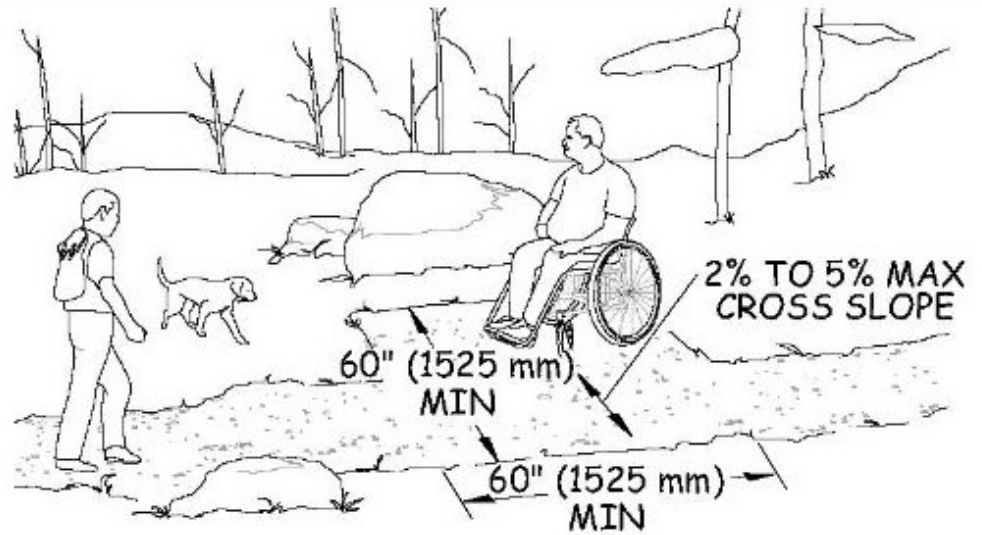
TYPICAL MOUNTAIN BIKE TRAIL
Swan Creek, Tacoma



TYPICAL SEATTLE PARKS PEDESTRIAN TRAIL
Cheasty Greenspace at Mountainview



ACCESSIBILITY



PORTIONS OF TRAIL MEET ADA/ABA STANDARDS FOR TRAILS

Lower Yosemite Fall Trail



User Groups



Loop trail 0.9 miles
Trailhead Elev. 2679 ft

Grade



Average 4%
10% of the trail is greater than 8%
50% of the trail is greater than 20%

Cross Slope



Average 3%
20% of the trail is greater than 5%
10% of the trail is greater than 20%

Width



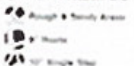
Average Tread 53"
Minimum Tread 30"
Minimum Clearance 20"

Surface



Paved & Packed Dirt
80% of trail is Paved
Trail at least 2 ft

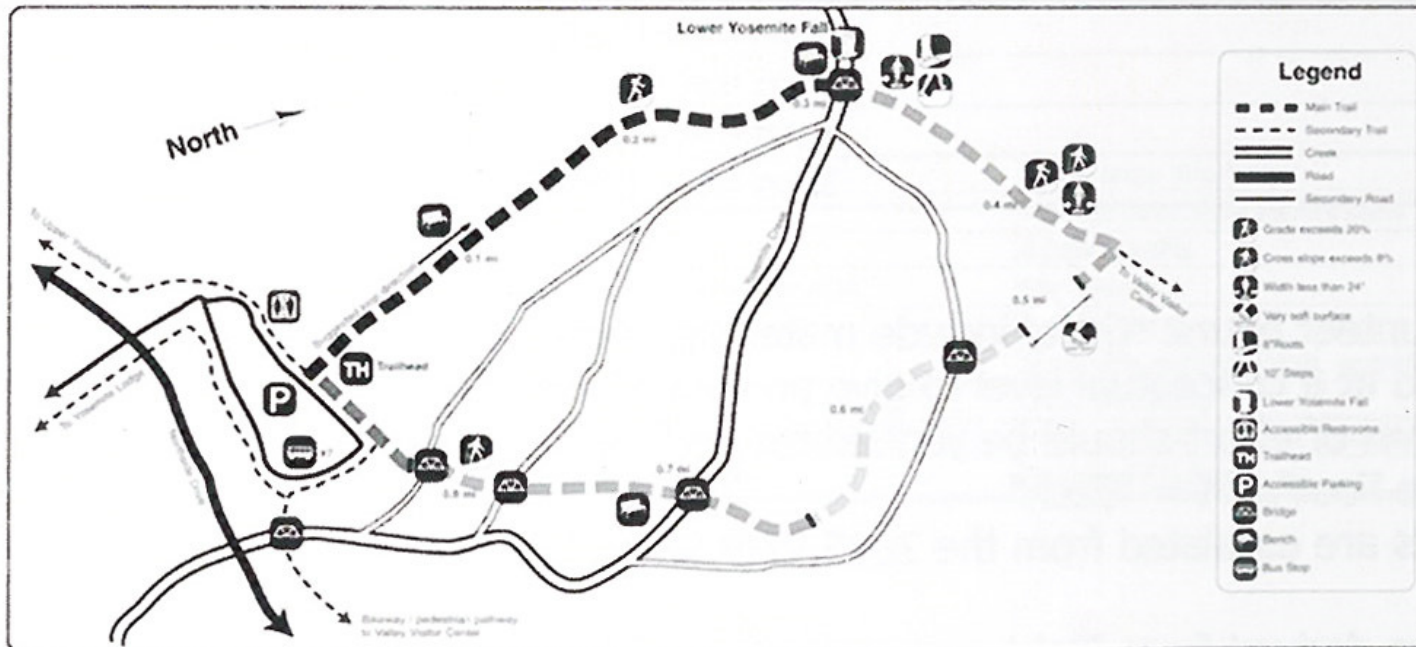
Other Hazards



1. 2' Route
2. 10' Route

3. 10' Route
4. 10' Route

5. 10' Route
6. 10' Route



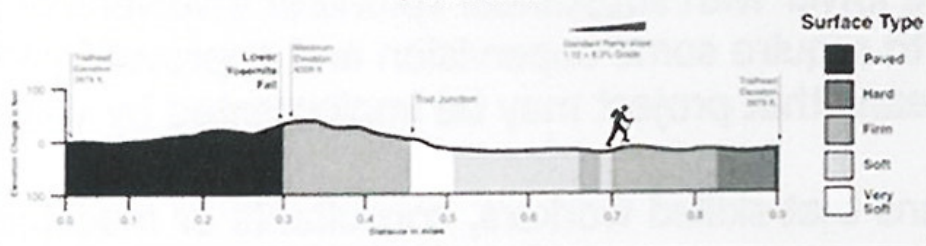
Legend

- Main Trail
- - - Secondary Trail
- ==== Creek
- ==== Road
- - - Secondary Road
- Grade exceeds 20%
- Cross slope exceeds 8%
- Width less than 24"
- Very soft surface
- 8" Route
- 10" Route
- Lower Yosemite Fall
- Accessible Restrooms
- Trailhead
- Accessible Parking
- Bridge
- Bench
- Bus Stop

Other Information

- Trail:** Trail is paved up to Lower Yosemite Fall overlook. Portions of trail past the overlook are washed out, resulting in sections of trail with pieces of broken pavement. Rocks, rills and natural steps up to 10" in height are found throughout these washed out sections.
- Bridges:** The bridges on this trail are constructed of wood and are approximately 4 ft wide, with railings on both sides. They all have steep ramps leading onto or off of them; be aware of erosion which may be found on or around these ramps.
- 0.1 mi Interpretive sign.
- 0.2 mi Interpretive sign.
- 0.7 mi A bench is located here. Enjoy a beautiful view of Upper and Lower Yosemite Falls. A memorial plaque to John Muir marks the former site of his cabin.

Grade Profile



Surface Type

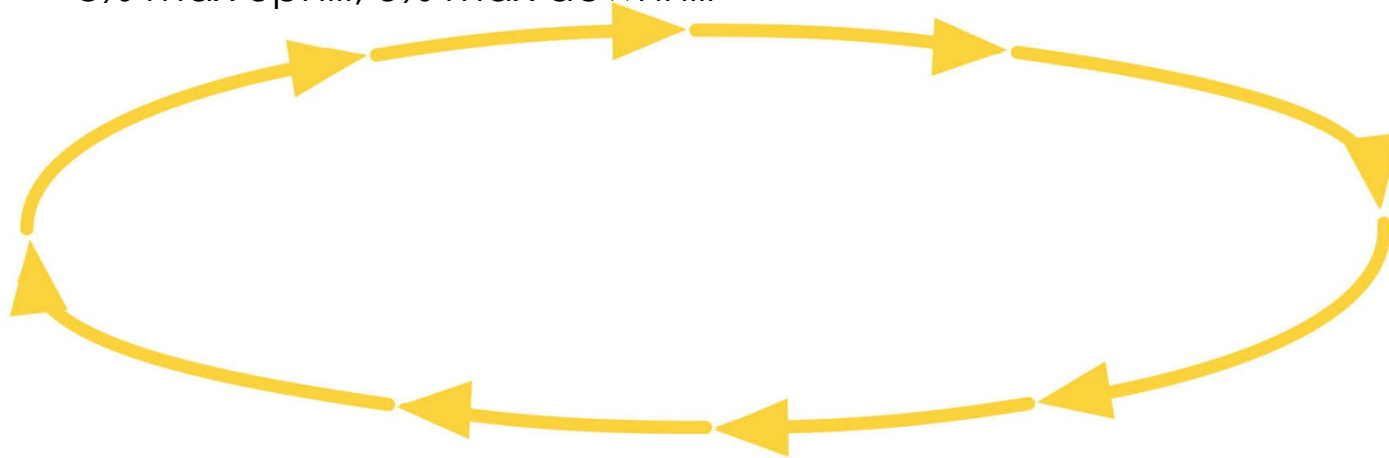
- Paved
- Hard
- Firm
- Soft
- Very Soft

Sample map provided by the United States Access Board illustrating the level of information needed for an Accessible Trail.

SIGNAGE FOR TRAIL ACCESSIBILITY

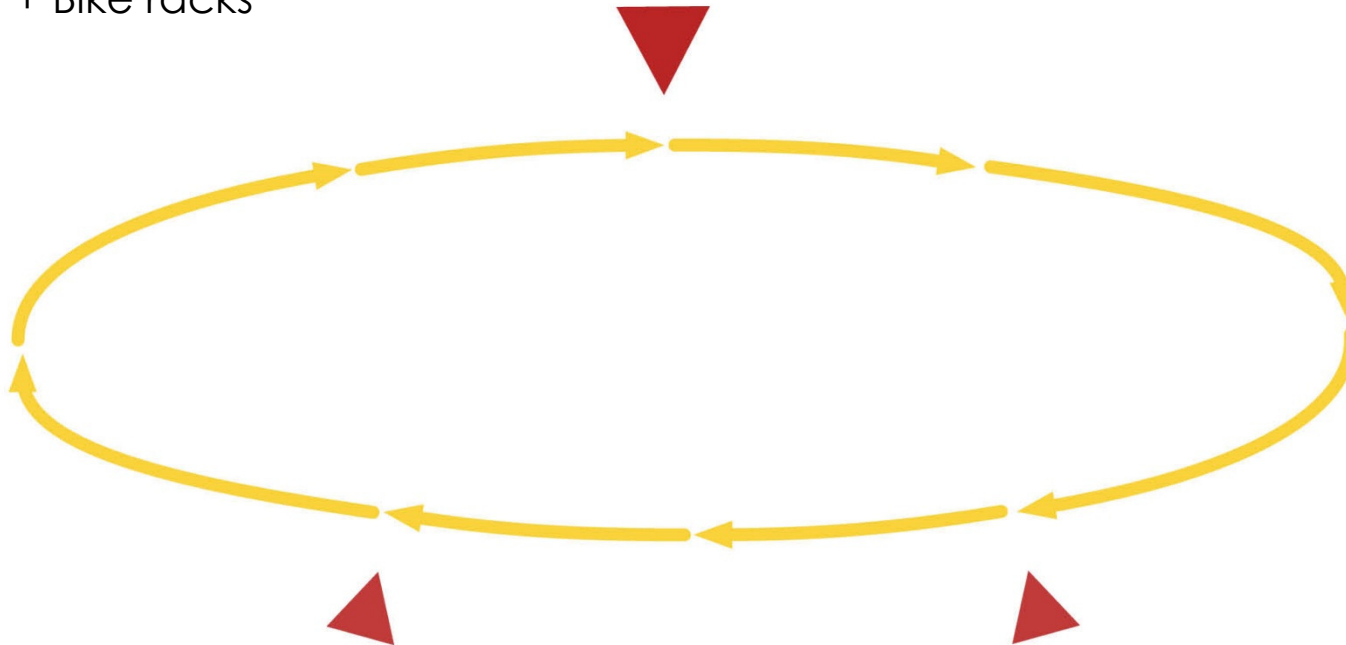
Perimeter Loop

- + One-way
- + Relatively easy
- + Cross pedestrian paths on uphill
- + Average 2' width
- + 8% max uphill, 5% max downhill



Primary Entry

- + Park rules & rules of the trail
- + Park news kiosk
- + Bike racks

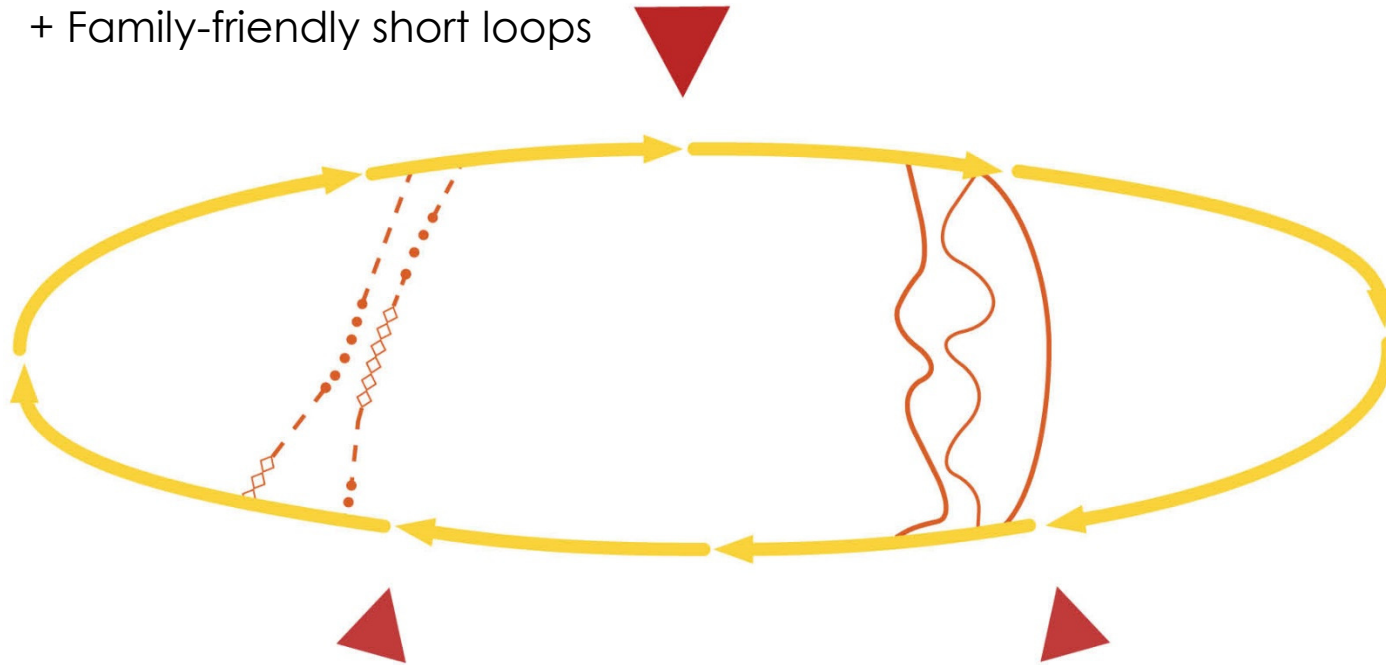


Secondary Entries

- + Park rules & rules of the trail

Cross Trails **[Ideal – not part of the Pilot Project Plan]**

- + With skills-building challenges
- + Variety of skills levels
- + Limited pedestrian loop crossings
- + Family-friendly short loops





BIKE TRAIL CONCEPTS
Skills Features



BIKE TRAIL CONCEPTS
PERIMETER TRAIL



BIKE TRAIL CONCEPTS //
CROSSING SENSITIVE AREAS



BIKE TRAIL CONCEPTS //
CROSSING SENSITIVE AREAS

Potential Boardwalk Materials

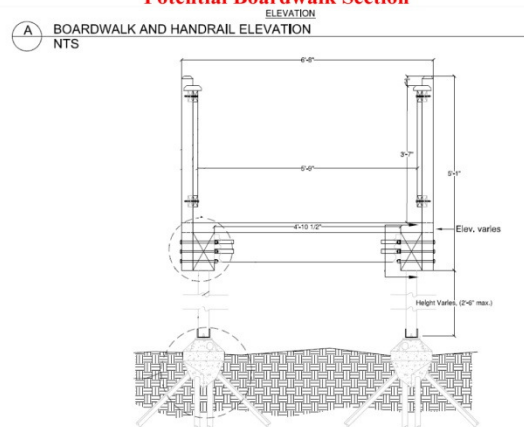


Potential Boardwalk Foundations (Diamond Piers)



Wetland Crossings

Potential Boardwalk Section



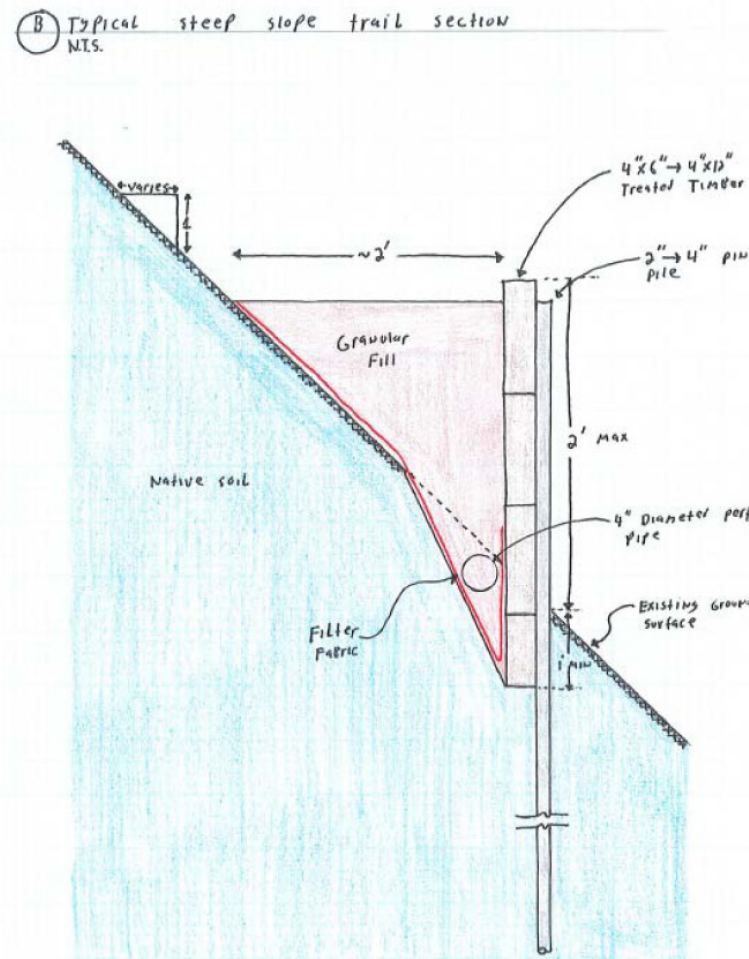
Steep Slope Crossings

HWA | HWA GEOSCIENCES INC.

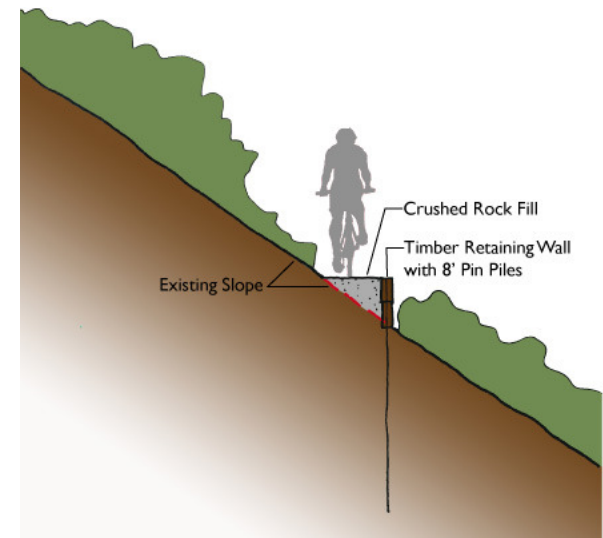
**BIKE TRAIL CONCEPTS //
CROSSING SENSITIVE AREAS**

Steep Slope Crossings

Potential Steep Slope Trail Section



HWA HWA GEOSCIENCES INC.



BIKE TRAIL CONCEPTS //
CROSSING STEEPEST SLOPES



PEDESTRIAN TRAIL CONCEPTS //
USE SEATTLE PARK'S TRAIL STDS FOR WET AREAS + SLOPES



- + At ped/bike intersections, locate so bikers are climbing for controlled speeds
- + Strategically placed obstacles + rough surfaces keep bikes slow and under control
- + Trail crossing warning markers with rules-of road reminders

BIKE TRAIL CONCEPTS



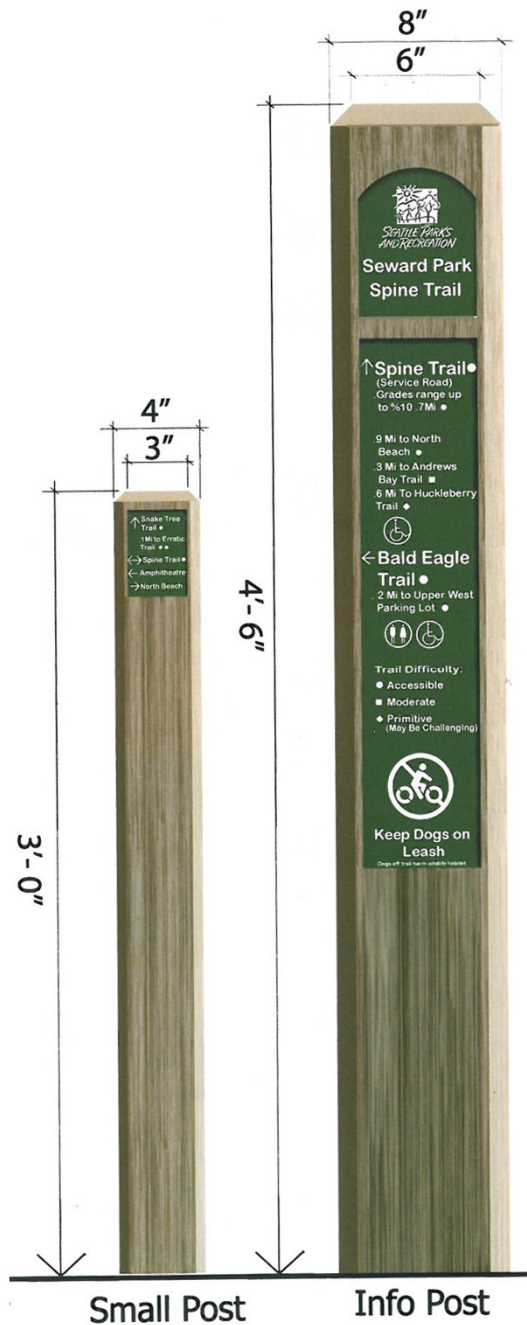
PARK ENTRY FURNISHINGS

Swan Creek Park

Help care for your park. Pack it in. Pack it out.



TYPES OF INFO IN KIOSK



Seattle Parks Standard Wayfinding Posts



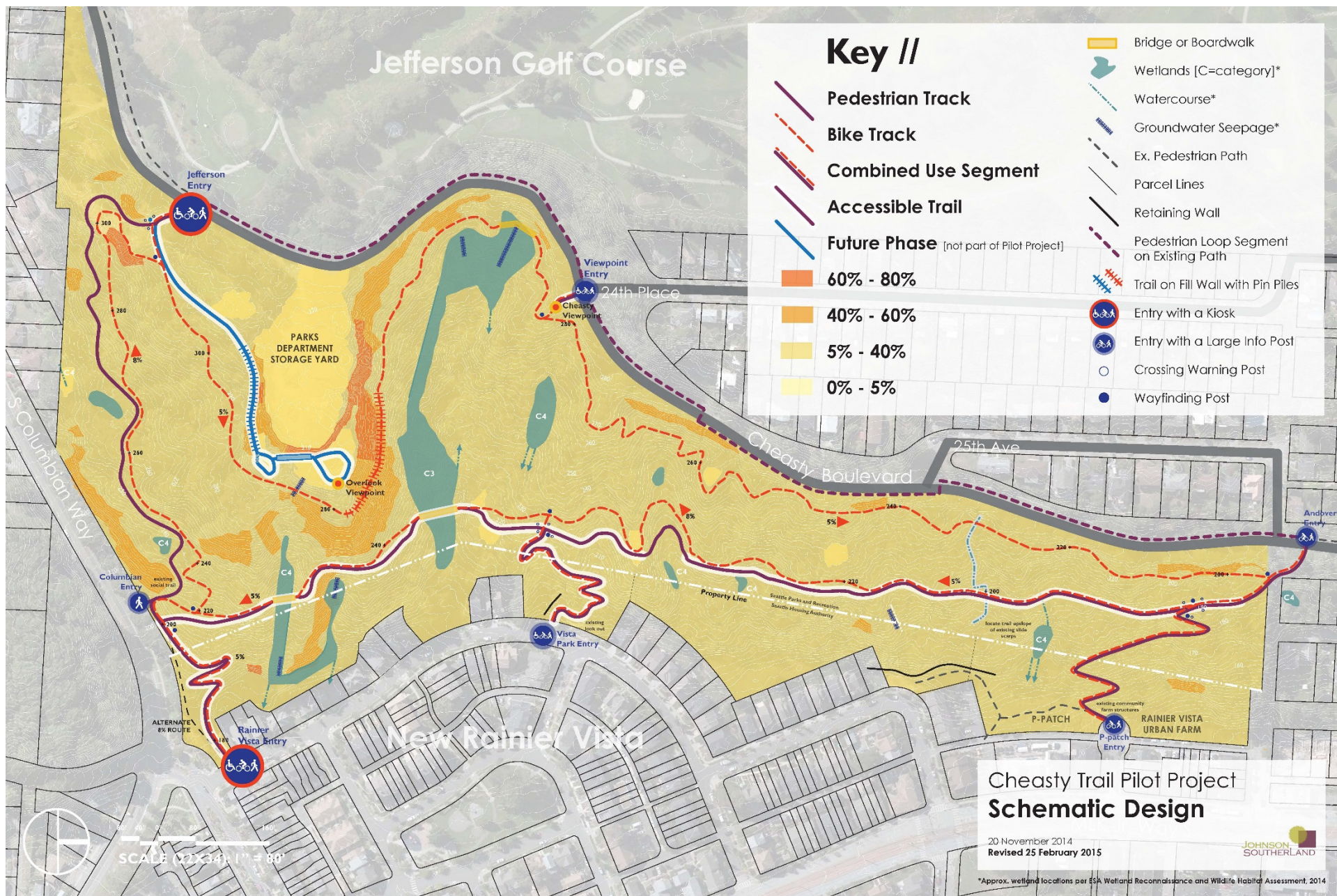
+ Rules of road content example

- + Use SMALL posts for wayfinding + crossing alerts
- + Use LARGE posts at trail entries for park rules and rules of the road

SIGNAGE



SIGNAGE



Key //

Pedestrian Track

Bike Track

Combined Use Segment

Accessible Trail

Future Phase [not part of Pilot Project]

60% - 80%

40% - 60%

5% - 40%

0% - 5%

Bridge or Boardwalk

Wetlands [C=category]*

Watercourse*

Groundwater Seepage*

Ex. Pedestrian Path

Parcel Lines

Retaining Wall

Pedestrian Loop Segment on Existing Path

Trail on Fill Wall with Pin Piles

Entry with a Kiosk

Entry with a Large Info Post

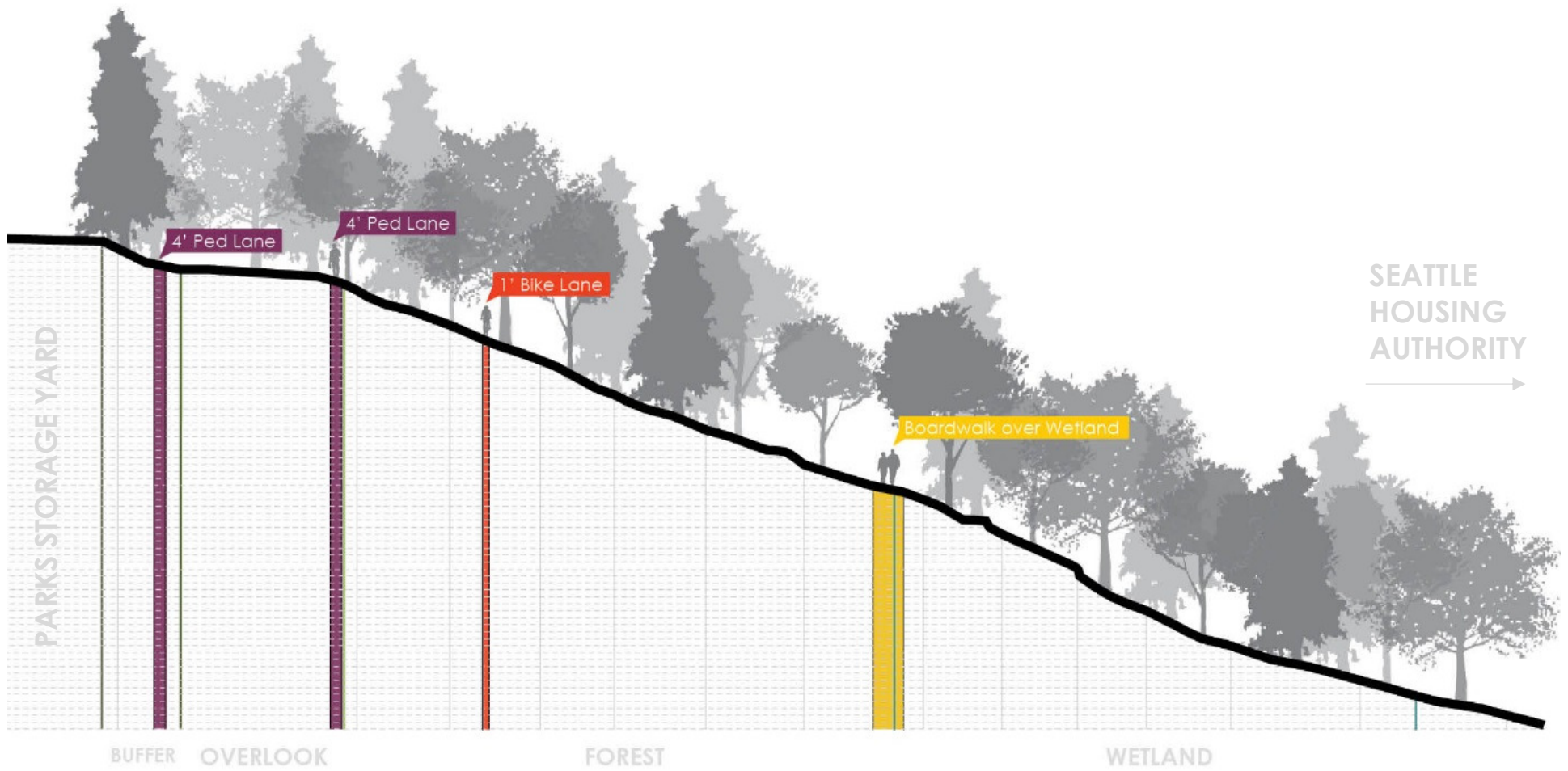
Crossing Warning Post

Wayfinding Post

Cheasty Trail Pilot Project Schematic Design

20 November 2014
Revised 25 February 2015

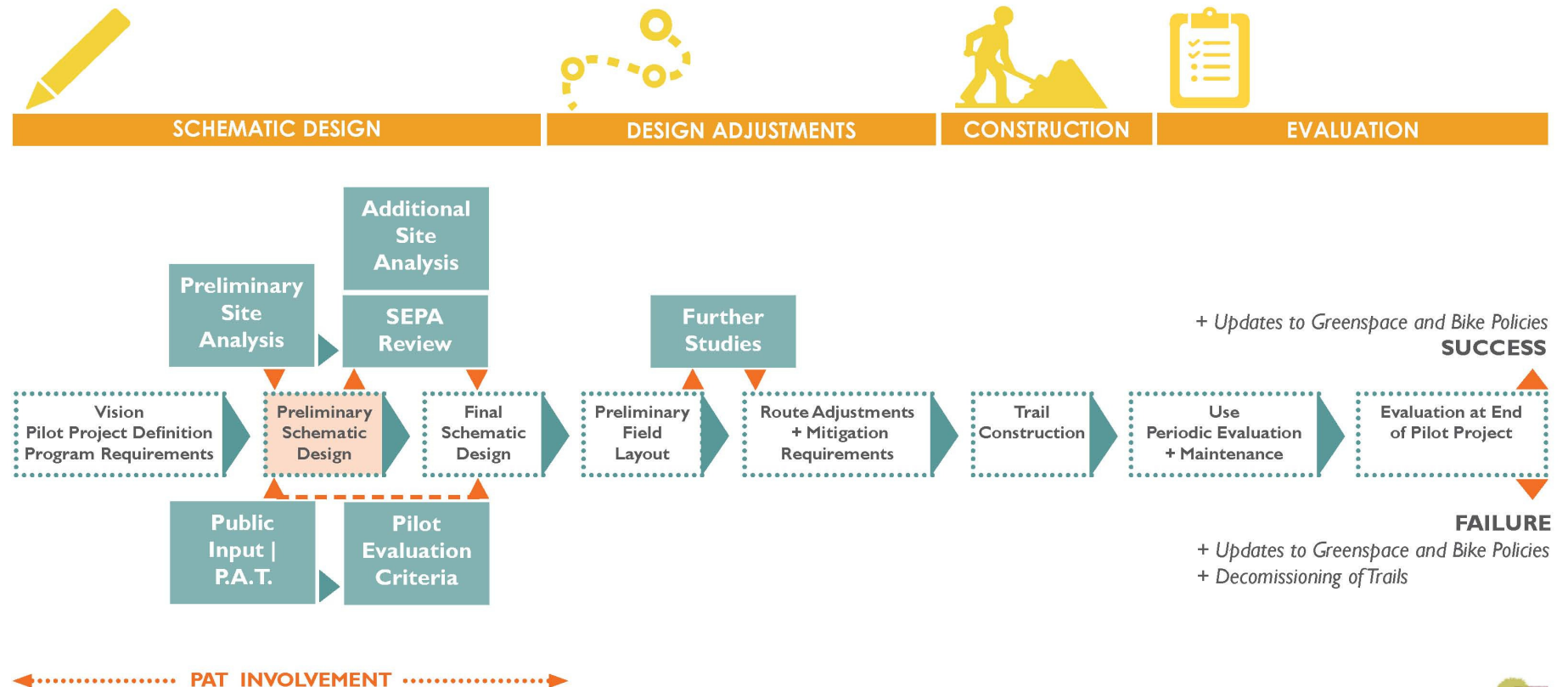
JOHNSON
SOUTHERLAND



SECTION //
AT PARKS STORAGE YARD

CHEASTY TRAILS PILOT PROJECT DESIGN PROCESS

SITE RESTORATION





TRAIL CONSTRUCTION, MAINTENANCE + LANDSCAPE RESTORATION